BRUHATH BANGALORE MAHANAGARA PALIKE
YELAHANKA DIVISION

Name of the work: - Improvement to Roads and Drains and Other Developmental Works At 407,707,208 Sfs, Major Akshay Girish Kumar Road Yelahanka 4th And 5th Phase and Surrounding Areas in Ward No.01,03 And 04 Of Yelahanka Division Under Amruthnagarothana Grants (Package-04)

SECOND AND PART BILL

QUALITY CONTROL ABSTRACT

QUALITY CONTROL ABSTRACT (AS PER MORT&H-V REVISION)

Name of Project: Improvement to Roads and Drains and Other Developmental Works At 407,707,208 Sfs, Major Akshay Girish Kumar Road Yelahanka 4th And 5th Phase And Surrounding Areas In Ward No.01,03 And 04 Of Yelahanka Division Under Amruthnagarothana Grants (Package-04)

Name of Agency :- M/s Sri S. R Mohan Kumar

Bill: First and Part Bill

Sl No	Description of Items	Test	Test Units	Test Per Qty	Up to Date Qty	Convertion m^3 > m^2	Convertion m^3 > Tonnes	No. Of Sample to Be Conduct for Test	No of Sample Conducted for Test
	For Drain work								
	Plane Cement Concrete -M10								
1	**Cement Test**				728.36	Cum			
		Setting Time - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	6
		Soundness - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	6
		Standarad Consistancy IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	6
2	**Fine Aggregate**								
		Specific Gravity and Water Absorption (IS 2386 Part. 3)1963	Days	One Source		-	-	1	6
		Sieve Analysis (IS 2386- Part 1)-1963	Days	One Source		-	-	1	6
3	**Coarse Aggregate**								
		Sieve Analysis (IS 2386- Part 1)-1963	Days	One Source		-	-	1	6
	M20 Concrete (Drain & Culvert)								
1	**Cement Test**				689.80	Cum			
		Setting Time Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	6
		Soundness Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	6

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		Standarad Consistancy Test IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	6
2	Fine Aggregate								
		Specific Gravity and Water Absorption Test (IS 2386 Part. 3)1963	Days	One Source		-	-	1	6
		Sieve Analysis Test (IS 2386-Part 1)-1963	Days	One Source		-	-	1	6
3	Coarse Aggregate								
		Aggrgate impact Value Test (AIV) (IS 2386- Part 4)-1963	Days	One Source		-	-	1	6
		Sieve Analysis Test (IS 2386-Part 1)-1963 20 mm Aggregates	Days	One Source		-	-	1	6
		Sieve Analysis Test (IS 2386-Part 1)-1963 12.5 mm Aggregates	Days	One Source		-	-	1	6
4	Cube Test								
		Compressive Strength Test (IS 516-1959)	Cum	1 Sample for 50m3				14	21
	M25 Concrete -				365.10	Cum			
1	Cement Test								
		Setting Time Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	5
		Soundness Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	5
		Standarad Consistancy Test IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	5
2	Fine Aggregate								
		Specific Gravity and Water Absorption Test (IS 2386 Part. 3)1963	Days	One Source		-	-	1	5
		Sieve Analysis Test (IS 2386-Part 1)-1963	Days	One Source		-	-	1	5

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3	Coarse Aggregate								
		Aggrgate impact Value Test (AIV) (IS 2386- Part 4)-1963	Days	One Source		-	-	1	5
		Sieve Analysis Test (IS 2386-Part 1)-1963 20 mm Aggregates	Days	One Source		-	-	1	5
		Sieve Analysis Test (IS 2386-Part 1)-1963 12.5 mm Aggregates	Days	One Source		-	-	1	5
4	Cube Test								
		Compressive Strength Test (IS 516-1959)	Cum	1 Sample for 50m3				7	8
	M30 Concrete -				236.99	Cum			
1	Cement Test								
		Setting Time Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
		Soundness Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
		Standarad Consistancy Test IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	1
2	Fine Aggregate								
		Specific Gravity and Water Absorption Test (IS 2386 Part. 3)1963	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963	Days	One Source		-	-	1	1
3	Coarse Aggregate								
		Aggrgate impact Value Test (AIV) (IS 2386- Part 4)-1963	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963 20 mm Aggregates	Days	One Source		-	-	1	1
		Sieve Analysis Test (IS 2386-Part 1)-1963 12.5 mm Aggregates	Days	One Source		-	-	1	1

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4	Cube Test								
		Compressive Strength Test (IS 516-1959)	Cum	1 Sample for 50m3				5	2
1	Wet Mix Macadam(WMM)								
		Aggrgate impact Value(AIV)	m^3	1000.00	613.49	-	-	1	1
		Combained Flakiness & Elonga	m^3	500.00	613.49	-	-	1	1
		Gradation	m^3	400.00	613.49	-	-	2	1
		Density of Compacted Layer	m^2	1000.00	613.49	2453.96	-	2	5
	For Road Work								
	Precast Items								
	Load Bearing Solid Block	Compression Strength Test (IS 2185, Part 1: 2005)	sqm	One Sample Per Batch	1232.30	-	-	1	1
	RCC Slab 100 mm	Core Compressive Test (IS 2185, Part 1: 2005)	sqm	One Sample Per Batch	2165.57	-	-	2	2
	RCC Slab 230 mm	Core Compressive Test (IS 2185, Part 1: 2005)	sqm	One Sample Per Batch	58.32			1	1
	Kerb	Compression Strength Test (IS 2185, Part 1: 2005)	sqm	One Sample Per Batch	5611.00			3	3
	Pavers	Compression Strength Test (IS 2185, Part 1: 2005)	sqm	One Sample Per Batch	1556.38			1	1
2	Wet Mix Macadam(WMM)								
		Aggrgate impact Value(AIV)	m^3	1000.00	613.71	-	-	1	1
		Combained Flakiness & Elongation Index	m^3	500.00	613.71	-	-	1	2
		Gradation	m^3	400.00	613.71	-	-	2	4
		Density of Compacted Layer	m^2	1000.00	613.71	2454.85	-	2	4
3	Dense Bituminous Macadam (DBM)								
		Aggrgate impact Value(AIV)	m^3	350.00	145.10	-	-	0	1
		Combained Flakiness & Elongation Index	m^3	350.00	145.10	-	-	0	1
		Gradation	Tonne	400.00	145.10	-	368.55	1	1
		Water Absorption	1 source		145.10			1	1
		Binder Content (BC)	Tonne	400.00	145.10	-	368.55	1	1
		Prime Coat/Tack Coat	Days	3.00	-	-	-	1	3

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4	Bituminous Concrete (BC)								
		Aggrgate impact Value(AIV)	m^3	350.00	848.59	-	-	2	3
		Combained Flakiness & Elongation Index	m^3	350.00	848.59	-	-	2	3
		Gradation	Tonne	400.00	848.59	-	2155.42	2	3
		Water Absorption	1 source		848.59			1	1
		Binder Content (BC)	Tonne	400.00	848.59	-	2155.42	2	3
		Prime Coat/Tack Coat	Days	3.00	-	-	-	2	1

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